

## ABSTRACT OF THE DISCLOSURE

A road wheel fuzzy logic control system, including a fuzzy logic control unit having, a plurality of inputs signals, and generating a control output signal, and a road wheel subsystem that receives the control output signal and generates an output feedback signal to the fuzzy logic control unit, wherein the fuzzy logic control tracks an input signal under the effects of uncertainties and disturbances from the road wheel subsystem and vehicle dynamics. The fuzzy logic control unit controls the effects of the uncertainty and disturbance and provides vehicle stability.

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